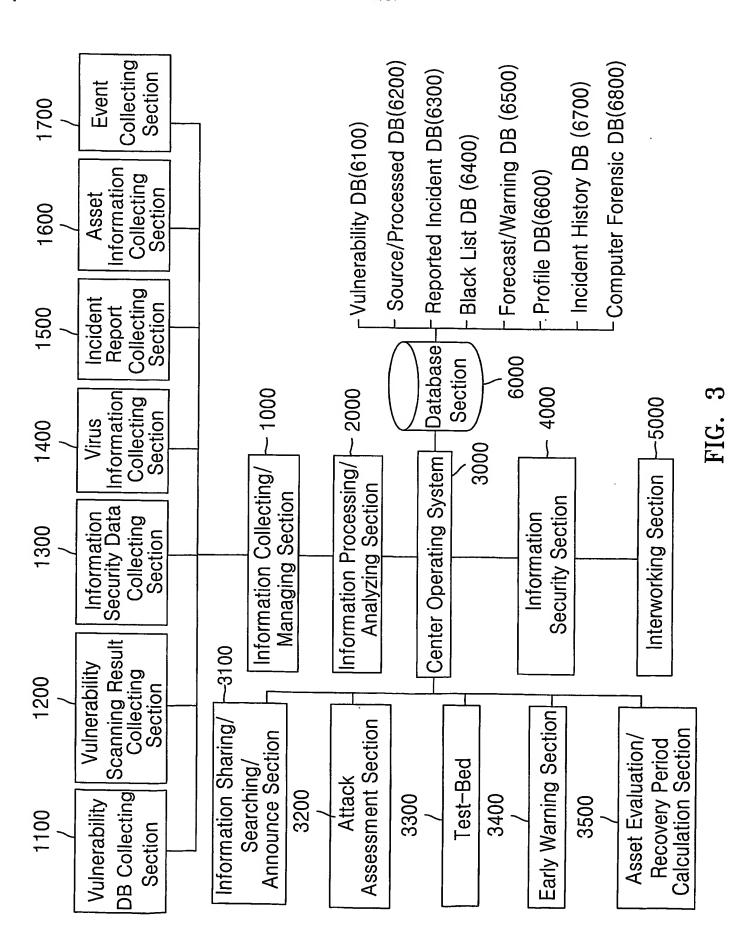


FIG. 2



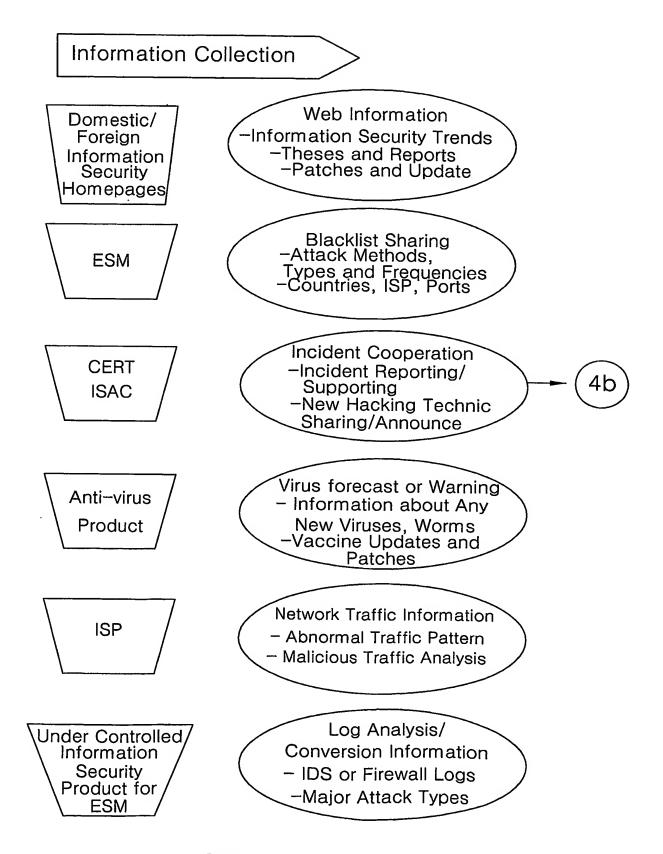


FIG. 4a

4a

Information Sharing Forecast/ Test/Analysis/ (with other Security Center Attack Assessment Warning Including CERT/ISAC/ESM etc. Information Processing/ Analyzing Section and Operating System 1. Attack Assessment Section -Vulnerability Analysis Users and Databáse Real-time Analysis of Major Attacks
-Analysis of Important **Packets** -Issuance and Announce of a Forecast/Warning CERT/ISAC/ESM to CERT/ISAC/ESM Interworking_Section 2. Analyzing Section Monitoring/ -Analysis of Worm/ Standard Format Virus Announce Path Attack Time, Attacker, Object, Operation Encryption by Staff Incident Report Type and Pattern Language Protocol According to Risks and Positions of Sensors -Automatic 3. Early Warning Preparation

-Collection of Information
about Important Traffic, Classification Collected Data and **CERT** Storing in a Database Threats and Attack
-Determination of Warning **ISAC** -Processing, Steps in Real Time and Analyzing and Issuance of an Warning Making Statistics -Incident and Warning on the Data in an History Management Encrypted Standard Format 1. Threat Analysis System 2. Attack Assessment -User Classification (Network) 3. Forecast/Alert Administrators -Safe Announce Paths -SMS(UMS), Messenger. Secure E-mail 4. Incident Analysis and Response 1. TEST-BED -Test and Development of Attack/ Defense Techniques Simulation Environment -Damage/Recovery Period Calculation

FIG. 4b

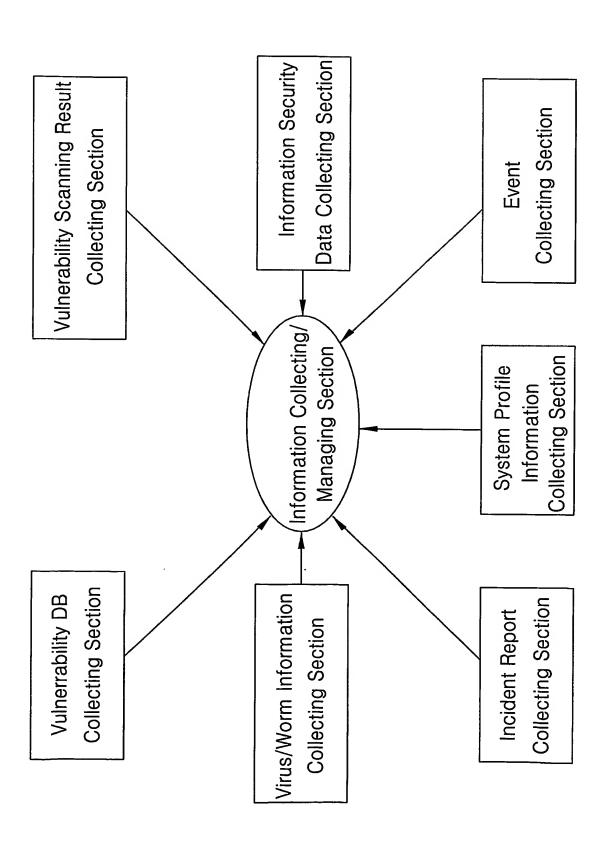
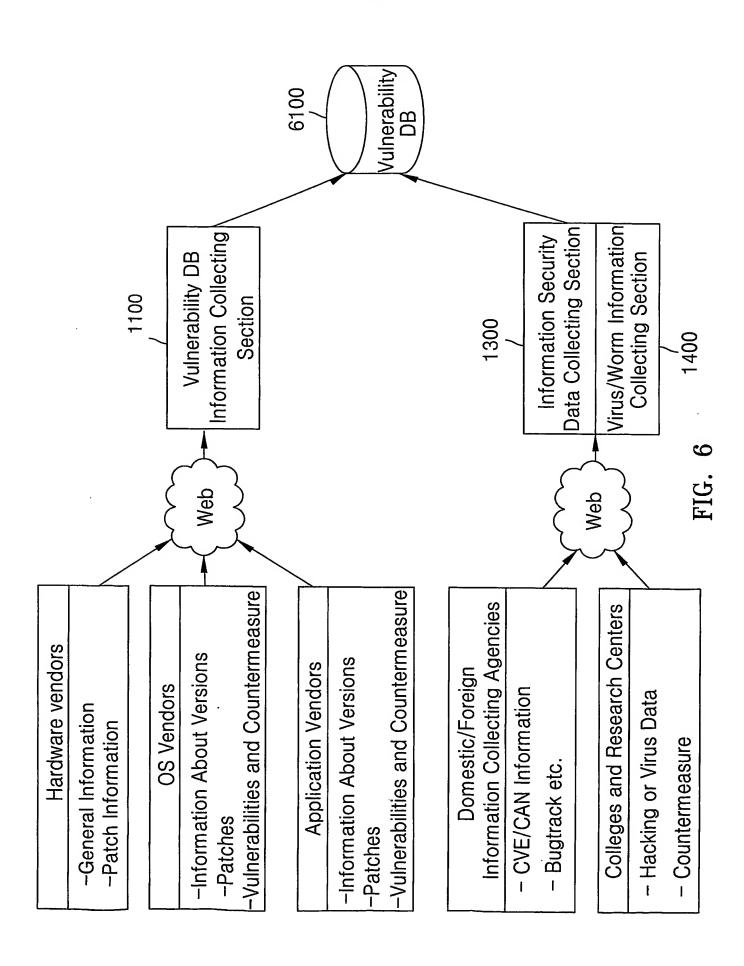
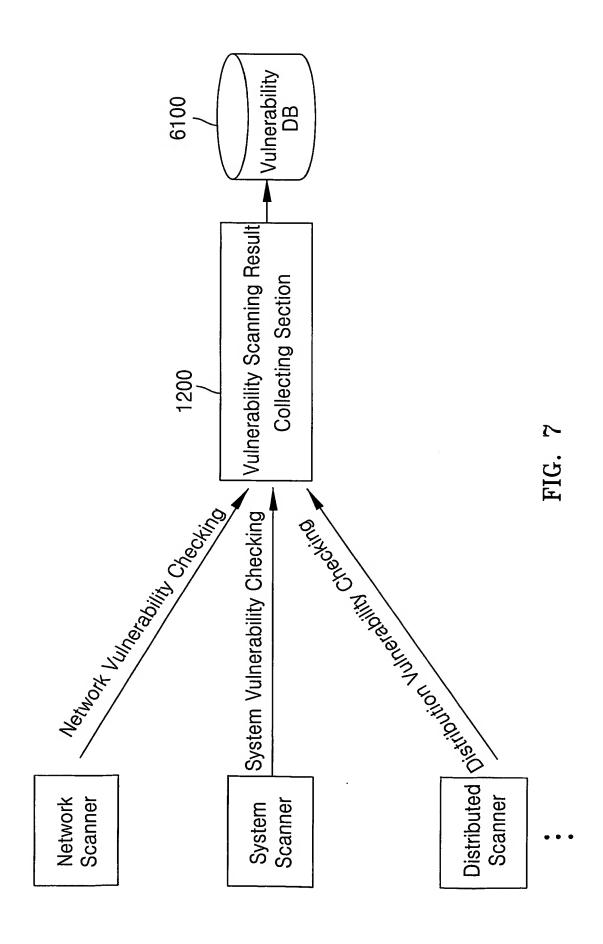
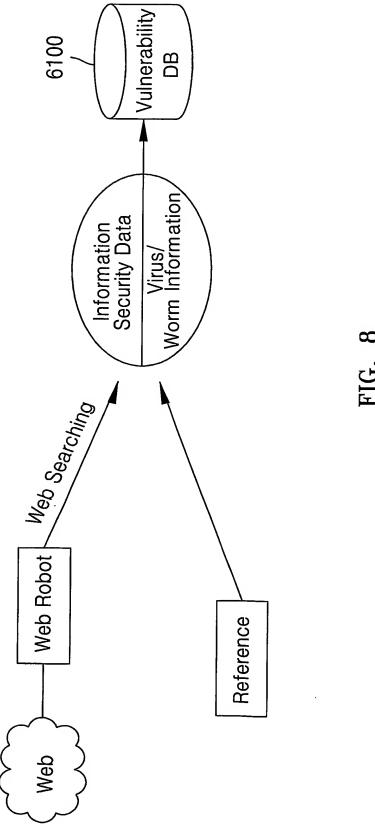


FIG. 5







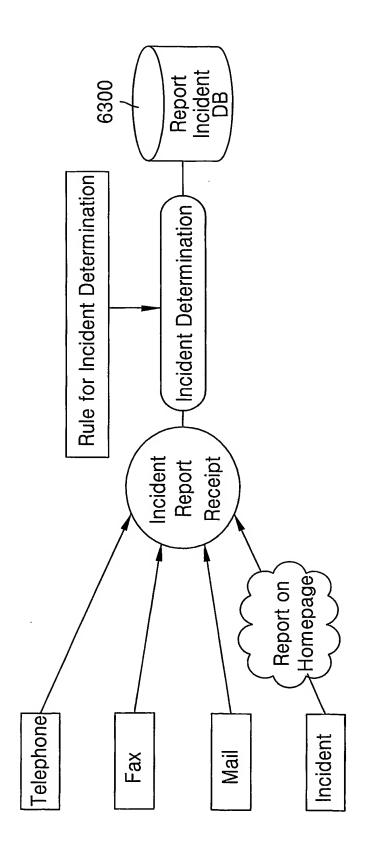
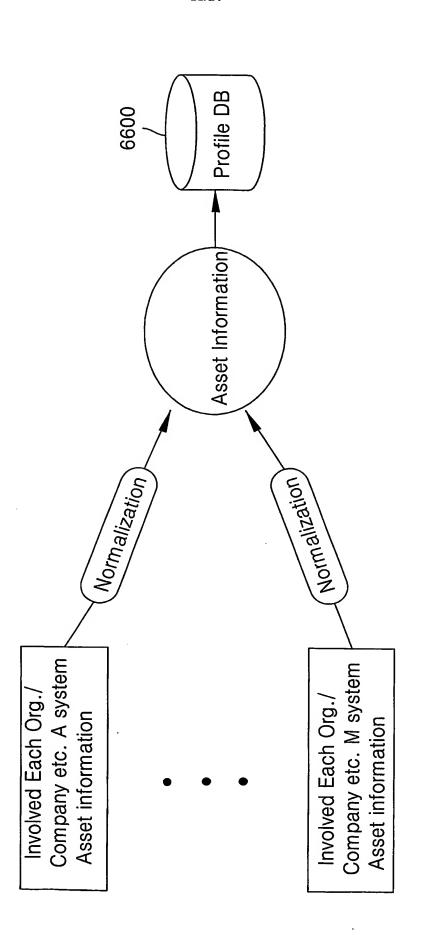
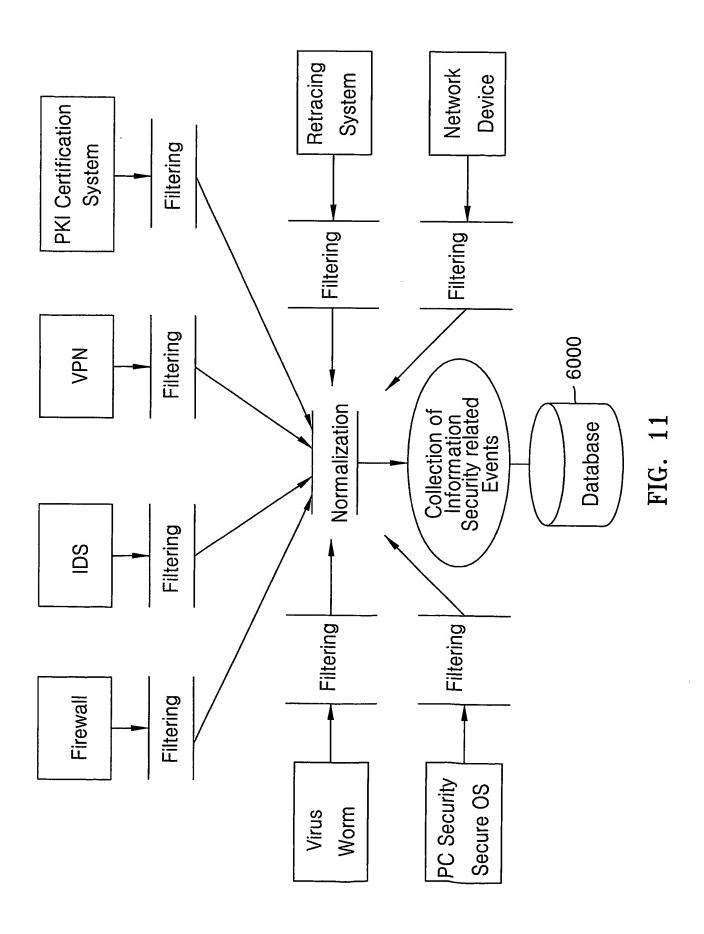


FIG. O

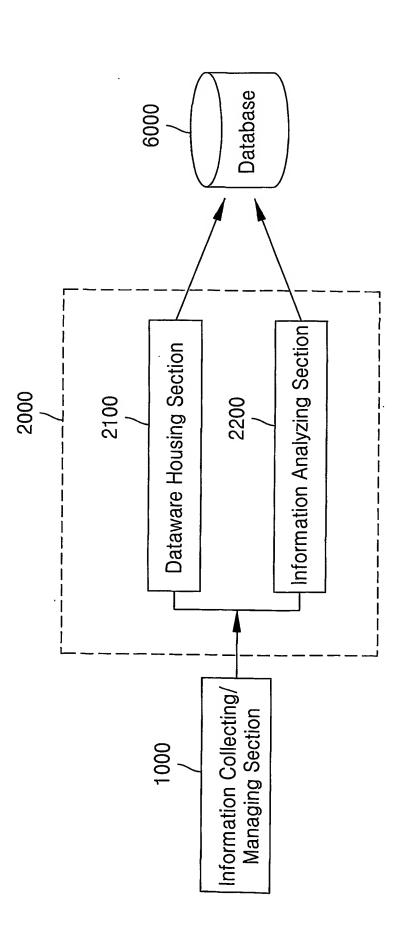
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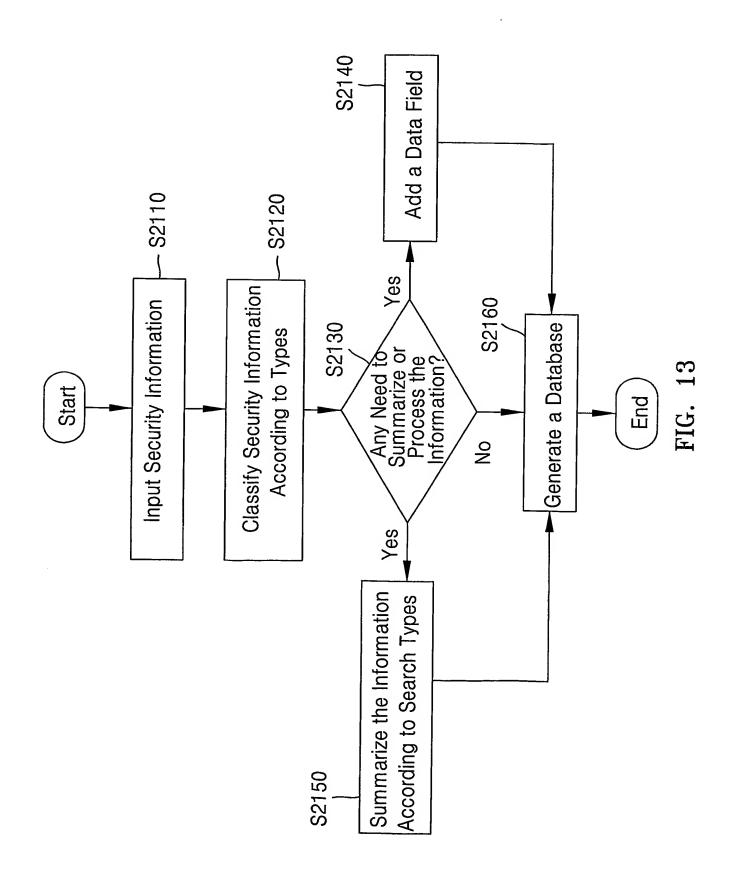












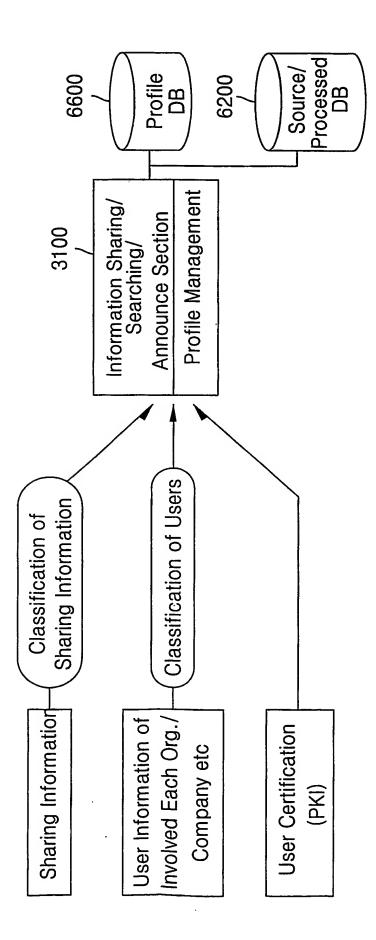
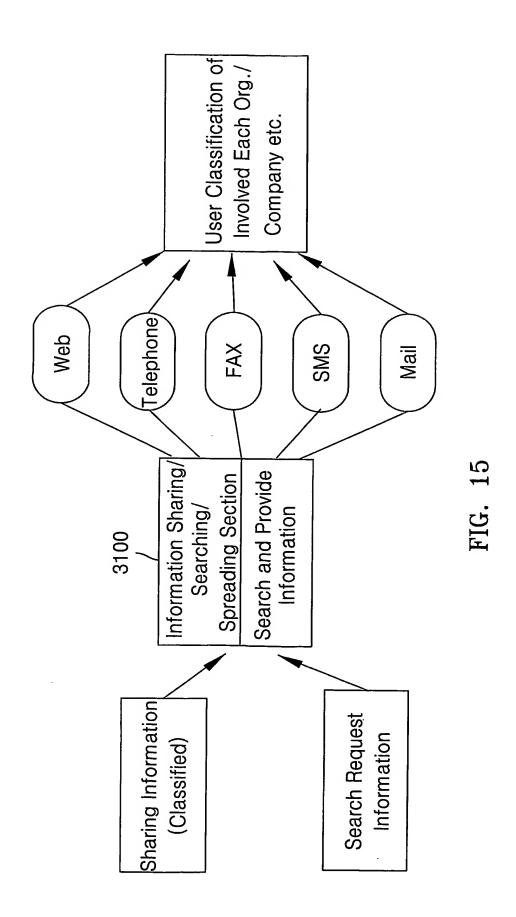


FIG. 14



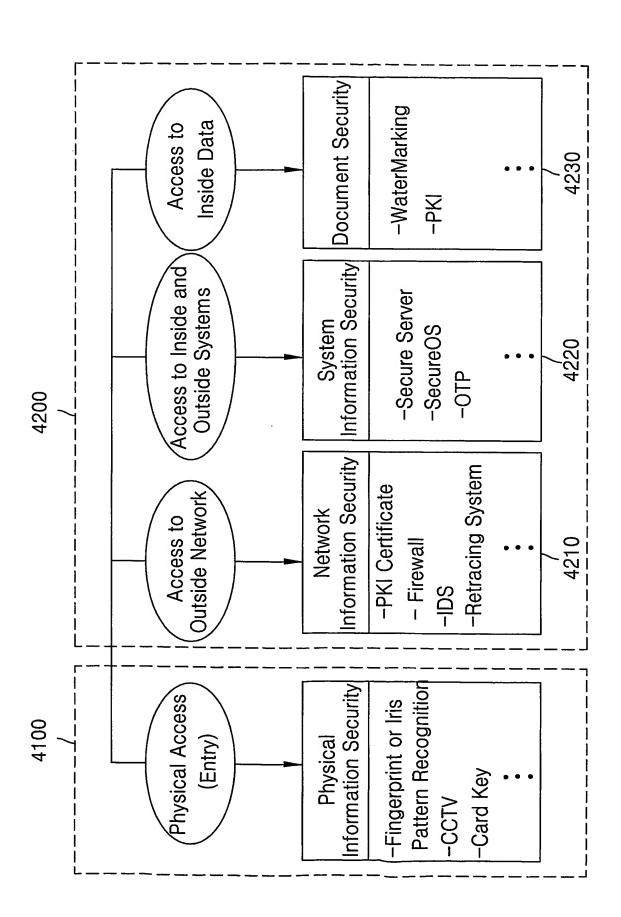
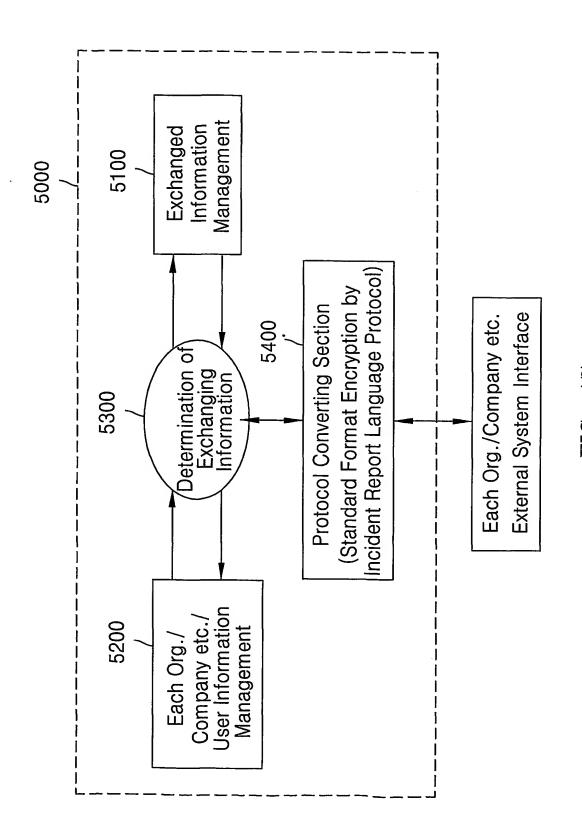
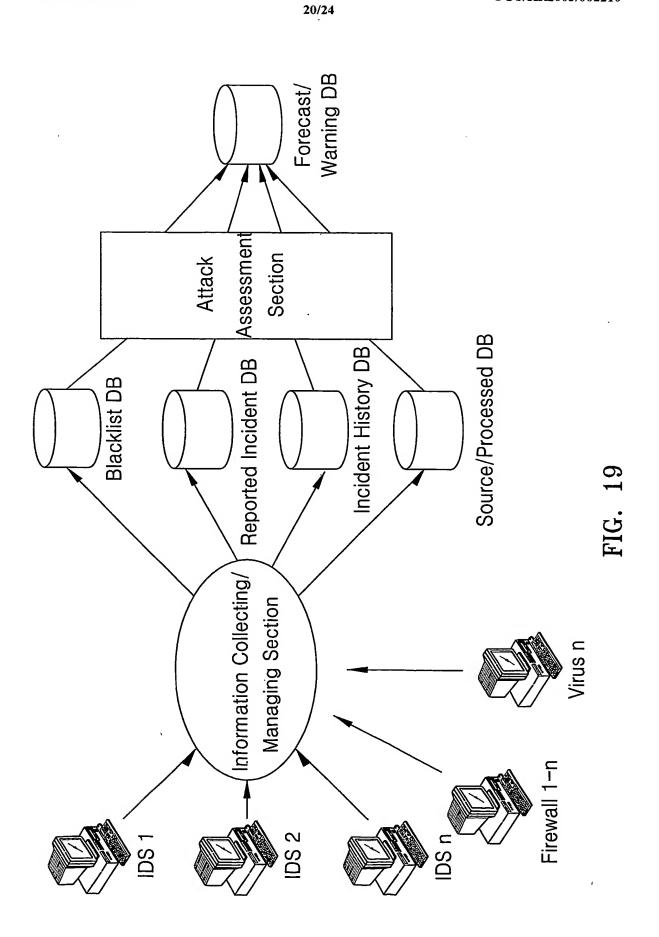


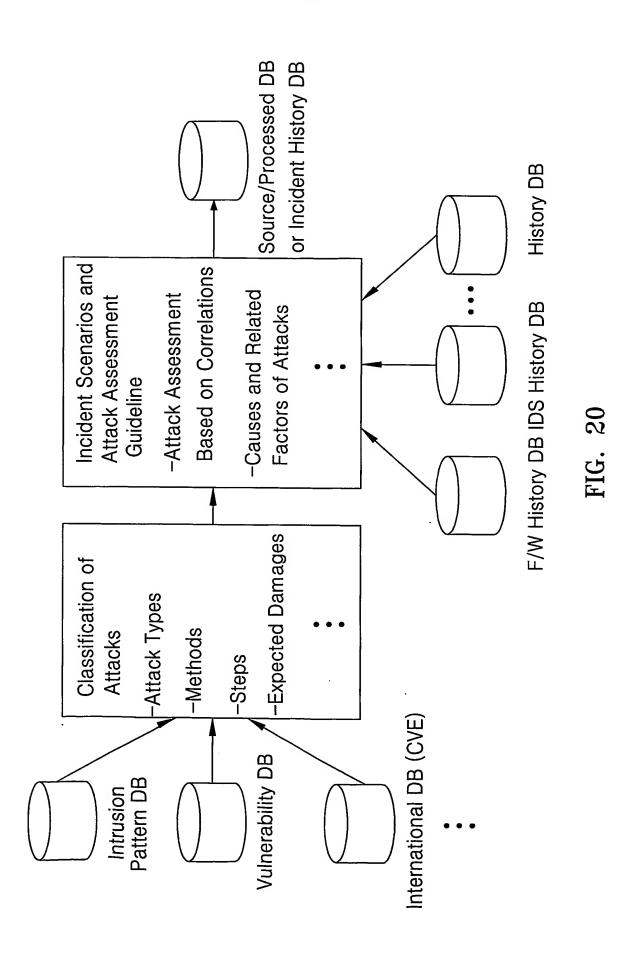
FIG. 16

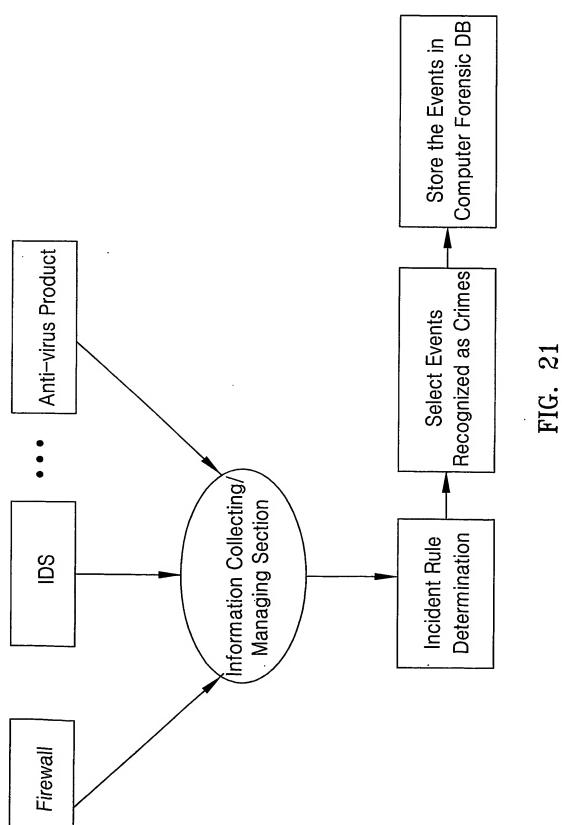


Vulnerability DB ———————————————————————————————————	
General Information	Source Data
Profile Data	Patch Data
Tool Data	Advisory Data
Attack Data	Defense Data
•	• • •

FIG. 18







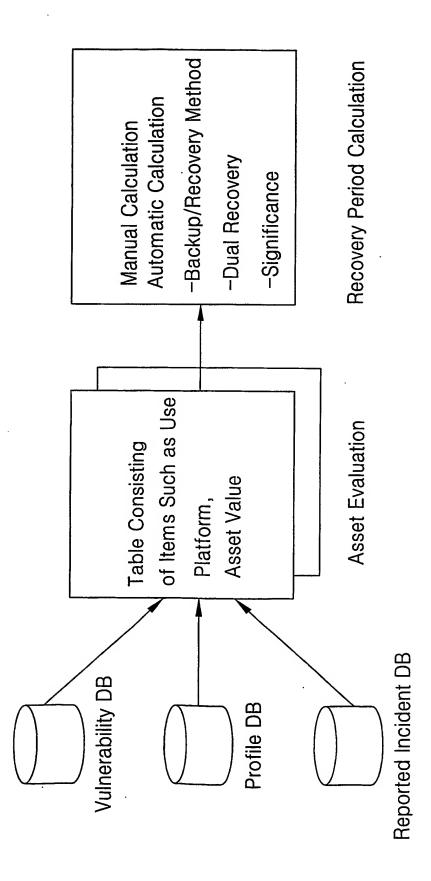


FIG. 22

